

Introduction

Ionized trails from meteors can reflect radio signals at frequencies in the LOFAR bands. This appears in CS1 data as short (100 ms) bursts of signal from a distant transmitter.

One application of this effect is in communications. For example, "Radio Burst Communications" is a way of transmitting information to/from areas that are not served by satellites.

[http://en.wikipedia.org/wiki/Meteor_scatter][Wikipedia article]

[<http://query.nytimes.com/gst/fullpage.html?res=950DE5DD143DF931A1575BC0A96F948260&sec=&spon=&pagewanted=print>][New article about military efforts]

[http://www.meteorcomm.com/technologies/tech_burst.aspx][Page of company selling communications services]

LOFAR

LOFAR may benefit from thinking of these transient signals as more than RFI. Early investigations are described [here].

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